Vision Hollow Metal Limited  
400 Zenway Blvd., Unit 1  
Woodbridge, Ontario L4H 057

**SCOPE:**
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series LS18 Outswing Single and Double glazed Steel Doors-LMI

**APPROVAL DOCUMENT:** Drawing No “S-4113” Rev 2, titled “Series LS18 Steel Single & Double Glazed-Outswing -Impact”, sheets 1 through 15 of 15, prepared by R. W. Building consultant, Inc., dated 10-29-15 and last revised on 01-17-18, signed and sealed by Lyndon F. Schmidt, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**Limitations:**
1. Max DLO (Day light opening) is limited to max. 34.625”W X 34.625”H for 8’ doors w/10” min mid rail/bottom rail and for 7’ doors the DLO is limited to max 22.56”W X 52.625”H w/ 10” min Midrails (See sheets 1 & 2).
2. Double doors with Rim Panic device requires PDQ 9200M removable mullion for installation.
3. Electrical/Electronic function is not part of this approval, such functions to be reviewed and approved by AHJ.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Woodbridge, Ontario, Canada, series/model and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises # 15-0611.01 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above. The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-0131.06  
Expiration Date: June 16, 2021  
Approval Date: March 15, 2018  
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections.

B. TESTS
   1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
      2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
      3) Water Resistance Test, per FBC, TAS 202-94 (w/Exterior astragal)
      4) Large Missile Impact Test per FBC, TAS 201-94
      5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
      6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
   Along with manufacturer's parts and section drawings of double outswing glazed steel doors (Samples B-1, C-1 & D-1, marked by Fenestration Testing Lab, Test Report No. FTL-8513, dated 10/22/15, signed and sealed by Idalms Ortega, P. E.

   This test report was revised by an addendum letter w/ revised marked-up Dwgs, issued by Fenestration testing lab, dated Mar 25, 2016, signed by Ms. L. Delgado.

C. CALCULATIONS

D. QUALITY ASSURANCE
   1. Miami Dade Department of Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (Submitted under files #12-0223.29/#10-0623.02)
   1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “Sentry Glass @ Interlayer”, expiring on 07/14/17.
   2. Tensile test report # FTL-8718, dated 11/04/15per ASTM A-370, prepared by fenestration Testing lab, signed & sealed by Idalms Ortega, P.E.

F. STATEMENTS
   1. Letter of conformance to FBC 2014 (5th edition) and No Financial interest dated 05/31/16, prepared by R. W. Building Consultant, Inc., signed and sealed by L. F. Schmidt, P.E.
   2. Lab compliance as part of the above referenced test report.

G. OTHER
   1. Test proposal dated 12/03/14 approved by RER.
   2. Distributor Agreement between Vision Hollow Metal Ltd., Ontario Canada and Precision Building Products, Florida USA, dated 04/13/15, signed by Nick Siragusa and Jacques Rousseau, respectively on behalf of their companies.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0131.06
Expiration Date: June 16, 2021
Approval Date: March 15, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS

Note: This revision 2, consist of FBC code update note only.

B. TESTS
1. None.

C. CALCULATIONS
1. None.

D. QUALITY ASSURANCE
1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 16-1129.05 issued to Dyplast Products, LLC, (Former Apache Product Co.) for “E and R Board Expanded Polystyrene Rigid foam Insulation”, expiring on 01/11/22.

F. STATEMENTS

G. OTHER
1. This NOA revises NOA # 15-0611.01, expiring 06/16/2021.
GENERAL NOTES
1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements for the 'High Velocity Hurricane Zone' (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of this drawing require a one-time product approval from Miami-Dade County.
5. This product meets water infiltration requirements for the "HVHZ".
6. All steel shall be protected as specified in Section 2222.6 of the FBC.
Note:
1. Frame weatherstrip attached w/ #6 X 5/8" PH SMS located 2" from ends & 8" max. o.c. thereafter.
Note:
1. Frame weatherstrip attached w/ #6 X 5/8" FH SMS located 2" from ends & 8" max. o.c. thereafter.

HORIZONTAL CROSS SECTION

Cylindrical Lock (PDQ CP115)

Interior

Exterior

RIM Panic Bar Exit Device (PDQ 6200R)

See applicable door construction details (TYP.)

1/4" MAX SHIM

1/1/2" MIN. EMB. (TYP.)

1/4" MAX EMB. (TYP.)

1/4" MAX EMB. (TYP.)

Panic Bar Exit Device w/ Surface Vertical Rods (PDQ 6200VA)

HORIZONTAL CROSS SECTION

1

4

3

1

4

2

4

Interior

Exterior

See applicable door construction details (TYP.)

1/4" MAX SHIM

1/1/2" MIN. EMB. (TYP.)

1/4" MAX EMB. (TYP.)

1/4" MAX EMB. (TYP.)

HORIZONTAL CROSS SECTION

1

4

Panic Bar Exit Device w/ Surface Vertical Rods (PDQ 6200VA)

Interior

Exterior

1/4" MAX SHIM

1/1/2" MIN. EMB. (TYP.)

1/4" MAX EMB. (TYP.)

1/4" MAX EMB. (TYP.)
HORIZONTAL CROSS SECTION

1 5 PANIC BAR EXIT DEVICE w/ SURFACE VERTICAL RODS (PDQ 6200VA)

2 5 PANIC BAR EXIT DEVICE (PDQ 6200R)

3 [See Note 1] CYLINDRICAL LOCK (PDQ GC115) w/ DEADBOLT (SCHLAFL 860P)

40 41 HORIZONTAL CROSS SECTION

6 (See Note 2) PANIC BAR EXIT DEVICE w/ SURFACE VERTICAL RODS (PDQ 6200VA)

25 INACTIVE DOOR

25 ACTIVE DOOR

41 40 HORIZONTAL CROSS SECTION

3 [See Note 1] PDQ931/70 FLUSH BOLT (TOP/ BOTTOM)

7 REMOVABLE MULLION (PDQ 9200M-11)

40 41 HORIZONTAL CROSS SECTION

NOTE:

1. 2" Astagal attached to the inactive door w/ 2 rows of #4 x 1" CH Self-Drilling SMS located @ 2-1/2", 21-1/2", 33-1/2", 52-5/8", 64-5/8", 79-5/8" & 92-5/8" from bottom.
2. Frame weatherstrip attached w/ #4 X 5/8" PH SMS located 2" from ends & 8" max. o.c. thereafter.

See applicable door construction details (TYP.)
Note:
1. Flush Bolt required w/ Cylindrical Lock & Deadbolt only.
Mullion Top Bracket attached w/ (4) 5/16-18 x 5/8" and (2) 5/16-18 x 1-1/2" MS.

1 VERTICAL CROSS SECTION

8 w/ REMOVABLE MILLION (FDQM-9200M-11)

SEE APPLICABLE DOOR CONSTRUCTION DETAILS (TYP.)

Mullion Base Plate

EDGE DIST. (TYP.)

EDGE DIST. (TYP.)

1/4" MIN. EDBL. (TYP.)

H 4) 1/4" X 2-1/4" ELCO Ultracon Concrete Anchors through mullion base plate, Anchors require a 1-3/4" min. embedment, 1-1/2" min. o.c. spacing and 2-1/2" min. edge distance.

(NOTE: Outswinging threshold not shown for clarity)
**FRAME ANCHORING**

Masonry Construction Concrete Anchors

**CONCRETE ANCHOR NOTES:****

1. Concrete screw locations of the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as “MAX. O.C.” must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum center dimension is not exceeded.

2. Concrete anchor table:

<table>
<thead>
<tr>
<th>Anchor Type</th>
<th>Anchor Location</th>
<th>Anchor Size</th>
<th>Manufacturer</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE ANCHOR</td>
<td>JAMS</td>
<td>3/8</td>
<td>LDT Tapcon® (ITW Buildex)</td>
<td>2&quot;</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>SCREW</td>
<td>SILL</td>
<td>1/4</td>
<td>Ultracon® (ITW BICO)</td>
<td>2-1/2&quot;</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>CONCRETE SLEEVE</td>
<td>JAMS</td>
<td>3/8</td>
<td>Dynabolt Sleeve Anchor® (ITW Redhead)</td>
<td>2-1/4&quot;</td>
<td>1-1/2&quot;</td>
</tr>
</tbody>
</table>

**7'-0" SINGLE DOOR**

FRAME ANCHORING

Wood/Steel Stud

WOOD/STEEL STUD FRAMING (BY OTHERS)
7'-0" DOUBLE DOOR

FRAME ANCHORING
Masonry Construction
Concrete Anchors

CONCRETE ANCHOR NOTES:
1. Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on-center dimension is not exceeded.

2. Concrete anchor table:

<table>
<thead>
<tr>
<th>ANCHOR TYPE</th>
<th>ANCHOR LOCATION</th>
<th>ANCHOR SIZE</th>
<th>MANUFACTURER</th>
<th>MIN. EDGE DISTANCE</th>
<th>MIN. EMBEDMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE JAMBS</td>
<td>JAMBS (TYP.)</td>
<td>3/8&quot;</td>
<td>IDE TAPCON® (ITY BUILDER)</td>
<td>2&quot;</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>CONCRETE SILL</td>
<td>SILL (TYP.)</td>
<td>1/4&quot;</td>
<td>ULTRACON® (ELCO)</td>
<td>2-1/2&quot;</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>CONCRETE SLEEVE</td>
<td>JAMBS (TYP.)</td>
<td>3/8&quot;</td>
<td>DYNABOLT SLEEVE ANCHOR® (ITY REDHEAD)</td>
<td>2-1/4&quot;</td>
<td>1-1/2&quot;</td>
</tr>
</tbody>
</table>
CONCRETE ANCHOR NOTES:
1. Concrete anchor locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete anchor locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
2. Concrete anchor table:

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<tr>
<th>ANCHOR TYPE</th>
<th>ANCHOR LOCATION</th>
<th>ANCHOR SIZE</th>
<th>MANUFACTURER</th>
<th>MIN. EDGE DISTANCE</th>
<th>MIN. EMBEDMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE</td>
<td>JAMBS</td>
<td>3/8&quot;</td>
<td>LDT TAPCON® (ITW BUILDEX)</td>
<td>3&quot;</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>CONCRETE</td>
<td>SILL</td>
<td>1/4&quot;</td>
<td>ULTRACON® (ELCO)</td>
<td>2-1/2&quot;</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>CONCRETE</td>
<td>JAMBS</td>
<td>3/8&quot;</td>
<td>DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)</td>
<td>2-1/4&quot;</td>
<td>1-1/2&quot;</td>
</tr>
</tbody>
</table>

8'-0" SINGLE DOOR
FRAME ANCHORING
Masonry Construction
Concrete Anchors

CONCRETE ANCHOR NOTES:
1. Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
2. Concrete anchor table:

<table>
<thead>
<tr>
<th>ANCHOR TYPE</th>
<th>ANCHOR LOCATION</th>
<th>ANCHOR SIZE</th>
<th>MANUFACTURER</th>
<th>MIN. EDGE DISTANCE</th>
<th>MIN. EMBEDMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE ANCHOR SCREW JAMS</td>
<td>3/8&quot;</td>
<td>LOT TAPCON® (ITW BUILDEX)</td>
<td>3&quot;</td>
<td>1-1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>CONCRETE ANCHOR SCREW SILL</td>
<td>1/4&quot;</td>
<td>ULTRACON® (ECO)</td>
<td>2-1/2&quot;</td>
<td>1-3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>CONCRETE SLEEVE ANCHOR JAMS</td>
<td>3/8&quot;</td>
<td>DYNAFAST SLEEVE ANCHOR® (ITW REDHEAD)</td>
<td>2-1/4&quot;</td>
<td>1-1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

8'-0" DOUBLE DOOR
W O O D / S T E E L S T U D
FRAMING (BY OTHERS)
Hinge Detail

Strike Detail
- Latch & Deadbolt

Detail 1
- Vertical Surface Rod Strike Plate @ Head
- Flush Bolt Strike Plate @ Head (Inactive Door Panel)

Detail 2
- Vertical Surface Rod Strike Plate @ Sill
- Flush Bolt Strike Plate @ Sill (Inactive Door Panel)

Strike Detail @ Frame
- Rim Panic Exit Device

Strike Detail @ Mullion
- Rim Panic Exit Device